

STATE OF SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED

PROJECT EM 0385(15)0 US HIGHWAY 385 **FALL RIVER COUNTY**

Grading, Structures, AC and PCC Surfacing, AC Overlay and Scour Protection PCN 00D0

STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	EM 0385(15)0	1	680
Plotting Date:	06/22/2012	Rev 03/	21/12 KY

06/22/2012 Rev 03/21/12 KY

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Section B: Grading Plans

Section C: Traffic Control Plans

Section D: Erosion And Sediment Control Plans

Section E: Structure Plans Section F: Surfacing Plans

Section M: Pavement Marking Plans

Section S: Permanent Signing Plans

Section X: Cross Sections

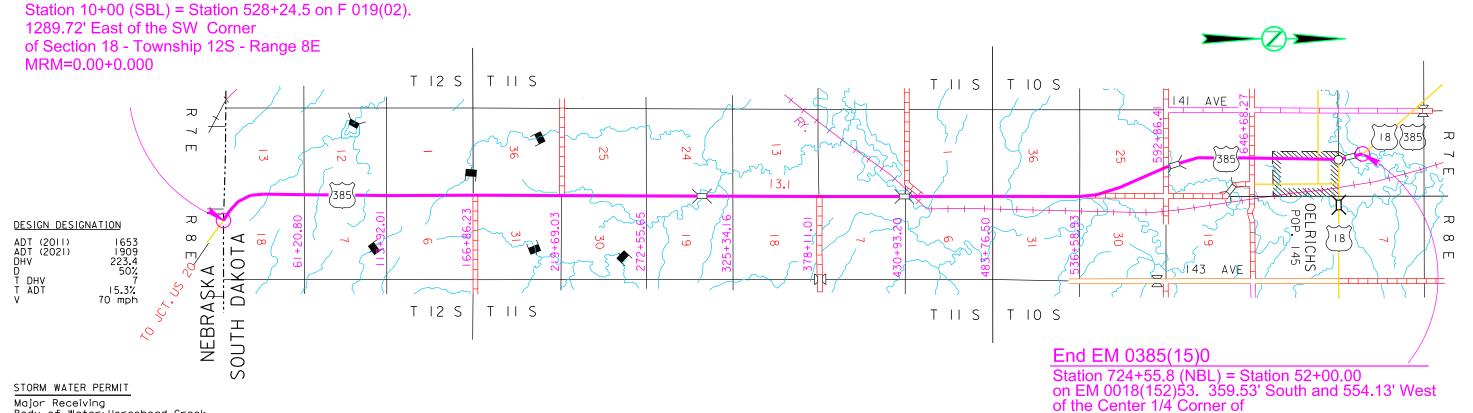
Section Z: Pipe Sections

Section 13 - Township 10S - Range 7E

MRM= 61.00+0.426 (US18W)

NBL

Begin EM 0385(15)0



STORM WATER PERMIT

Major Receiving Body of Water: Horsehead Creek Area Disturbed: 433 Acres Total Project Area: 521 Acres Approx. Begin Lat/Long: 43.0014, -103.2253

SCALES

PLAN	RURAL SUBURBAN URBAN 1"=200' 1"=100' 1"=40'	GROSS LENGTH	69,527.4 FEET	13.168 MILES	GROSS LENGTH	71,116.55 FEET	13.469 MILES
PROF I LE,	HORIZONTAL: 1"=200' 1"=100' 1"=40' 1"=20' 1"=20' 1"=20' 1"=20' 1"=20' 1"=20'	LENGTH OF EXCEPTIONS	0.00 FEET	0.000 MILES	LENGTH OF EXCEPTIONS	0.00 FEET	0.000 MILES
	HORIZONTAL: 1"=20' 1"=10' 1"=10'	NET LENGTH	69,527.4 FEET	13.168 MILES	NET LENGTH	71,116.55 FEET	13.469 MILES

SBL

ESTIMATE OF QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS	
	EM 0385(15)0	A1	A3	

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Grading – Section B

Bid Item Number	Item	Quantity	Unit	Bid Item Number	Item	Quantity	Unit
	MAGRICAN	dual o	10	450E2304	18" RCP Safety End, Furnish	1	Each
009E0010	Mobilization	Lump Sum	LS	450E2307	18" RCP Safety End, Install	1	Each
009E3230	Grade Staking	35.460	Mile	450E2308	24" RCP Safety End, Furnish	2	Each
009E3240	Graded Centerline Staking	0.818	Mile	450E2311	24" RCP Safety End, Install	2	Each
009E3250	Miscellaneous Staking	17.046	Mile	450E3002	18" RCP Arch Class 2, Furnish	84	Ft
009E3280	Slope Staking	17.046	Mile	450E3010	18" RCP Arch, Install	84	Ft
009E3290	Structure Staking	6	Each				
009E3300	Three Man Survey Crew	40.0	Hour	450E3012	24" RCP Arch Class 2, Furnish	214	Ft
100E0100	Clearing	Lump Sum	LS	450E3020	24" RCP Arch, Install	214	Ft
110E0600	Remove Fence	86,739	Ft	450E3032	36" RCP Arch Class 2, Furnish	692	Ft
110E7510	MATERIAL AND		Each	450E3040	36" RCP Arch, Install	692	Ft
	Remove Pipe End Section for Reset Unclassified Excavation	17		450E3052	48" RCP Arch Class 2, Furnish	234	Ft
120E0010		1,630,373	CuYd	450E3060	48" RCP Arch, Install	234	Ft
120E0300	Borrow Unclassified Excavation	10,900	CuYd	450E3062	54" RCP Arch Class 2, Furnish	380	Ft
120E0500	Option Borrow Excavation	812,178	CuYd	450E3070	54" RCP Arch, Install	380	Ft
120E1000	Muck Excavation	5,891	CuYd	450E4512	36" RCP Arch Flared End, Furnish	8	Each
120E2000	Undercutting	261,189	CuYd	450E4513	36" RCP Arch Flared End, Install	8	Each
120E6100	Water for Embankment	32,268.4	MGal	450E4520		6	
240E0010	Obliterate Old Road	1	Sta		48" RCP Arch Flared End, Furnish		Each
250E0020	Incidental Work, Grading	Lump Sum	LS	450E4521	48" RCP Arch Flared End, Install	6	Each
270E0040	Salvage and Stockpile Asphalt Mix and Granular	81,040.7	Ton	450E4524	54" RCP Arch Flared End, Furnish	4	Each
2/020040	Base Material	01,040.7	1011	450E4525	54" RCP Arch Flared End, Install	4	Each
424E0400		1 226	CuVd	450E4600	24" RCP Arch Sloped End, Furnish	4	Each
421E0100	Pipe Culvert Undercut	1,226	CuYd	450E4601	24" RCP Arch Sloped End, Install	4	Each
450E0122	18" RCP Class 2, Furnish	168	Ft	450E4650	18" RCP Arch Safety End, Furnish	4	Each
450E0130	18" RCP, Install	168	Ft	450E4653	18" RCP Arch Safety End, Install	4	Each
450E0142	24" RCP Class 2, Furnish	3,634	Ft	450E4739	12" CMP 16 Gauge, Furnish	86	Ft
450E0143	24" RCP Class 3, Furnish	824	Ft	450E4740	12" CMP, Install	86	Ft
450E0144	24" RCP Class 4, Furnish	290	Ft	450E4759	18" CMP 16 Gauge, Furnish	1,656	Ft
450E0150	24" RCP, Install	4,748	Ft				
450E0162	30" RCP Class 2, Furnish	274	Ft	450E4760	18" CMP, Install	1,656	Ft
450E0163	30" RCP Class 3, Furnish	628	Ft	450E4769	24" CMP 16 Gauge, Furnish	234	Ft
450E0164	30" RCP Class 4, Furnish	48	Ft	450E4770	24" CMP, Install	234	Ft
		178	Ft	450E4779	30" CMP 16 Gauge, Furnish	58	Ft
450E0165	30" RCP Class 5, Furnish			450E4780	30" CMP, Install	58	Ft
450E0170	30" RCP, Install	1,128	Ft	450E4789	36" CMP 16 Gauge, Furnish	50	Ft
450E0182	36" RCP Class 2, Furnish	788	Ft	450E4790	36" CMP, Install	50	Ft
450E0183	36" RCP Class 3, Furnish	546	Ft	450E5000	12" CMP Elbow, Furnish	2	Each
450E0184	36" RCP Class 4, Furnish	130	Ft	450E5001	12" CMP Elbow, Install	2	Each
450E0190	36" RCP, Install	1,464	Ft				
450E0193	42" RCP Class 3, Furnish	50	Ft	450E5015	24" CMP Elbow, Furnish	2	Each
450E0194	42" RCP Class 4, Furnish	80	Ft	450E5016	24" CMP Elbow, Install	2	Each
450E0200	42" RCP, Install	130	Ft	450E5100	CMP Tee, Furnish	1	Each
450E0202	48" RCP Class 2, Furnish	372	Ft	450E5101	CMP Tee, Install	1	Each
		96		450E5203	12" CMP Flared End, Furnish	2	Each
450E0203	48" RCP Class 3, Furnish		Ft	450E5204	12" CMP Flared End, Install	2	Each
450E0204	48" RCP Class 4, Furnish	128	Ft	450E5211	18" CMP Flared End, Furnish	4	Each
450E0210	48" RCP, Install	596	Ft	450E5212	18" CMP Flared End, Install	4	Each
450E0223	60" RCP Class 3, Furnish	112	Ft	450E5223	36" CMP Flared End, Furnish	2	Each
450E0230	60" RCP, Install	112	Ft	450E5224	36" CMP Flared End, Install	2	Each
450E0233	66" RCP Class 3, Furnish	48	Ft				
450E0234	66" RCP Class 4, Furnish	70	Ft	450E5406	18" CMP Safety End, Furnish	48	Each
450E0240	66" RCP, Install	118	Ft	450E5407	18" CMP Safety End, Install	48	Each
450E0262	84" RCP Class 2, Furnish	104	Ft	450E5410	24" CMP Safety End, Furnish	3	Each
Salar Andrew Control of the Control				450E5411	24" CMP Safety End, Install	3	Each
450E0263	84" RCP Class 3, Furnish	114	Ft	450E5414	30" CMP Safety End, Furnish	2	Each
450E0270	84" RCP, Install	218	Ft	450E5417	30" CMP Safety End, Install	2	Each
450E0416	24" RCP Bend, Furnish	1	Each	450E5509	18" CMP Arch 16 Gauge, Furnish	42	Ft
450E0417	24" RCP Bend, Install	1	Each	450E5510	18" CMP Arch, Install	42	Ft
450E0700	RCP Tee, Furnish	14	Each	450E6006	18" CMP Arch Safety End, Furnish	2	Each
450E0701	RCP Tee, Install	14	Each				
450E2028	36" RCP Flared End, Furnish	8	Each	450E6007	18" CMP Arch Safety End, Install	2	Each
450E2029	36" RCP Flared End, Install	8	Each	450E8013	24" CMP to RCP Transition, Furnish	2	Each
450E2036	48" RCP Flared End, Furnish	4	Each	450E8015	24" Pipe Transition, Install	2	Each
				450E8018	30" CMP to RCP Transition, Furnish	1	Each
450E2037	48" RCP Flared End, Install	4	Each	450E8020	30" Pipe Transition, Install	1	Each
450E2200	24" RCP Sloped End, Furnish	77	Each	450E9001	Reset Pipe End Section	17	Each
450E2201	24" RCP Sloped End, Install	77	Each	462E0100	Class M6 Concrete	31.8	CuYo
450E2204	30" RCP Sloped End, Furnish	10	Each	462E0200	Controlled Density Fill	352.8	CuYo
450E2205	30" RCP Sloped End, Install	10	Each	TOLLUZUU	Controlled Delight III	352.0	Jule

INDEX OF SHEETS

A1 and A2 Estimate of Quantities for Sections B,C,D,E, and

Bid Item Number	Item	Quantity	Unit	
480E0100	Reinforcing Steel	2,301	Lb	
600E0300	Type III Field Laboratory	1	Each	
620E0020	Type 2 Right-of-Way Fence	60,359	Ft	
620E0030	Type 3 Right-of-Way Fence	19,681	Ft	
620E0060	Type 6 Right-of-Way Fence	4,288	Ft	
620E0300	Special Right-of-Way Fence	496	Ft	
620E0510	Type 1 Temporary Fence	22,935	Ft	
620E0515	Type 1A Temporary Fence	33,150	Ft	
620E1020	2 Post Panel	122	Each	
620E1030	3 Post Panel	136	Each	
620E2012	12' Tubular Gate	4	Each	
670E2200	Type C Frame and Grate	1	Each	
670E3200	Type D Frame and Grate	2	Each	
670E4122	Type L Frame and Grate Assembly	5	Each	
670E4205	Type M Frame and Grate Assembly	16	Each	
670E4210	Type N Grate	7	Each	
670E5400	Precast Drop Inlet Collar	2	Each	
680E0240	4" Corrugated Polyethylene Drainage Tubing	28	Ft	
680E0440	4" Slotted Corrugated Polyethylene Drainage Tubing	196	Ft	
680E2000	Concrete Headwall for Underdrain	2	Each	
680E2500	Porous Backfill	15.0	Ton	
700E0110	Class A Riprap	959.0	Ton	
720E1015	Bank and Channel Protection Gabion	128.0	CuYd	
831E0110	Type B Drainage Fabric	984	SqYd	
900E0010	Refurbish Single Mailbox	9	Each	
900E0012	Refurbish Double Mailbox	1	Each	
900E2030	Miscellaneous Work	4	Site	
998E0100	Railroad Protective Insurance	Lump Sum	LS	

SPECIFICATIONS

Standard Specifications for Roads & Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and/or Special Provisions as included in the Proposal.

ESTIMATE OF QUANTITIES

Traffic Control – Section C

Structure – Section E

Bid Item Number	Item	Quantity	Unit	Bid Item Number
110E1400	Remove Pavement Marking, 4" or Equivalent	3,600	Ft	009E3310
110E5010	Salvage Delineator	125	Each	009E5000
632E2022	4"x4" White Delineator Back to Back with 1.12 Lb/Ft Post	410	Each	120E0600 120E3100
632E3520	Remove, Salvage, Relocate, and Reset Traffic Sign	97	Each	250E0030 410E2600
633E1400	Pavement Marking Paint, 4" White	800	Ft	420E0100
633E1405	Pavement Marking Paint, 4" Yellow	400	Ft	420E0200
634E0010	Flagging	1,500	Hour	421E0200
634E0020	Pilot Car	500	Hour	430E0300
634E0100	Traffic Control	6,655	Unit	430E0510
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS	460E0030
634E0330	Raised Pavement Markers	44.520	Ft	460E0050
634E0380	Tubular Marker	755	Each	460E0150
634E1215	Contractor Furnished Portable Changeable	2	Each	460E0160
	Message Sign			460E0502
				462E0200
				465E0100
				465E0200
rosion	and Sediment Control – Secti	on D		465E1032
.1031011	and Sediment Control – Secti			480E0100
				480E0200
Bid Item Number	Item	Quantity	Unit	480E0507 510E0300
110E1690	Remove Sediment	44.0	CuYd	510E3371
11001090	Remove Sediment	44.0	Curu	0.0001

Bid Item Number	Item	Quantity	Unit
110E1690	Remove Sediment	44.0	CuYd
110E1693	Remove Erosion Control Wattle	4,750	Ft
110E1700	Remove Silt Fence	1,250	Ft
120E9000	Pit Run Material	120.0	Ton
230E0010	Placing Topsoil	241,965	CuYo
730E0100	Cover Crop Seeding	275.0	Bu
730E0251	Special Permanent Seed Mixture 1	9,128	Lb
730E0252	Special Permanent Seed Mixture 2	264	Lb
731E0100	Fertilizing	12,970	Lb
732E0100	Mulching	674.0	Ton
734E0102	Type 2 Erosion Control Blanket	24,920	SqY
734E0103	Type 3 Erosion Control Blanket	9,000	SqY
734E0104	Type 4 Erosion Control Blanket	5,555	SqY
734E0160	20" Diameter Erosion Control Wattle	19,000	Ft
734E0165	Remove and Reset Erosion Control Wattle	4,750	Ft
734E0325	Surface Roughening	21.7	Acre
734E0510	Shaping for Erosion Control Blanket	22,150	Ft
734E0604	High Flow Silt Fence	5,000	Ft
734E0610	Mucking Silt Fence	347	CuYo
734E0620	Repair Silt Fence	1,250	Ft
734E0630	Floating Silt Curtain	900	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	3	Each
734E0855	Interim Sediment Control at Inlet	3	Each
31E0300	MSE Geotextile Fabric	190	SqYc
900E1300	Granular Material for Construction Entrance	120.0	Ton

Bid Item Number	Item	Quantity	Unit
009E3310	Bridge Elevation Survey	Lump Sum	LS
009E5000	Concrete Penetrating Sealer	533.0	SqYd
120E0600	Contractor Furnished Borrow	20	CuYd
120E3100	Bridge End Embankment	774	CuYd
250E0030	Incidental Work, Structure	Lump Sum	LS
410E2600	Membrane Sealant Expansion Joint	151.5	Ft
		21	CuYd
420E0100	Structure Excavation, Bridge		
420E0200	Structure Excavation, Box Culvert	493	CuYd
421E0200	Box Culvert Undercut	1,904	CuYd
430E0300	Granular Bridge End Backfill	74.6	CuYd
430E0510	Approach Slab Underdrain Excavation	3.0	CuYd
460E0030	Class A45 Concrete, Bridge Deck	289.3	CuYd
460E0050	Class A45 Concrete, Bridge	60.4	CuYd
460E0150	Concrete Approach Slab for Bridge	222.9	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	61.0	SqYd
460E0502	Deck Drain, Slab Bridge	12	Each
462E0200	Controlled Density Fill	72.7	CuYd
465E0100	Class A45 Concrete, Drilled Shaft	50.8	CuYd
465E0200	Drilled Shaft Excavation	28.8	CuYd
465E1032	32" Permanent Casing	108	Ft
480E0100	Reinforcing Steel	23.062	Lb
480E0200	Epoxy Coated Reinforcing Steel	99,834	Lb
480E0507	No. 7 Rebar Splice	96	Each
510E0300	Preboring Pile	120	Ft
510E3371	HP 10x57 Steel Test Pile, Furnish and Drive	356	Ft
510E3375	HP 10x57 Steel Bearing Pile, Furnish and Drive	368	Ft.
510E4000	Dynamic Pile Test (during driving)	7	Each
510E4010	Dynamic Pile Test (during restrike)	7	Each
510E4050	Static Pile Load Test	2	Each
560E0116	9'x8' Precast Concrete Box Culvert, Furnish	542.0	Ft
560E0117	9'x8' Precast Concrete Box Culvert, Install	542.0	Ft
560E0136	10'x7' Precast Concrete Box Culvert, Furnish	180.0	Ft
560E0137	10'x7' Precast Concrete Box Culvert, I umish	180.0	Ft
560E1116	9'x8' Precast Concrete Box Culvert, Install	6	Each
	Furnish		1-2-2-2
560E1117	9'x8' Precast Concrete Box Culvert End Section, Install	6	Each
560E1136	10'x7' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E1137	10'x7' Precast Concrete Box Culvert End Section, Install	2	Each
560E2118	2-10'x7' Precast Concrete Box Culvert, Furnish	180.0	Ft
560E2119	2-10'x7' Precast Concrete Box Culvert, Install	180,0	FL
560E2142	2-11'x7' Precast Concrete Box Culvert, Furnish	190.0	Ft
560E2143	2-11'x7' Precast Concrete Box Culvert, Install	190.0	Ft
560E3118	2-10'x7' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E3119	2-10'x7' Precast Concrete Box Culvert End Section, Install	2	Each
560E3142	2-11'x7' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E3143	2-11'x7' Precast Concrete Box Culvert End Section, Install	2	Each
680E0040	4" Underdrain Pipe	274	Ft
680E2010	Precast Concrete Headwall for Drain	4	Each
680E2500	Porous Backfill	32.8	Ton
	Class B Riprap		
700E0210		92.1	Ton
700E0310	Class C Riprap	3,745.7	Ton
831E0110	Type B Drainage Fabric	3,358	SqYd

	STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
		EM 0385(15)0	A2	A3

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ESTIMATE OF QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	EM 0385(15)0	А3	A3

Unit

Each

Ft

Ft

Each

Each

Each

Each

Each

Each

SqFt

SqFt

21 Each

133

284

138

318

170

38

134

1,491.4

1,348.0

1,832.0

1,800.0

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Surfacing – Section F

Bid Item Number	Item	Quantity	Uı
004E0030	Maintenance of Traffic Diversion(s)	Lump Sum	LS
004E0050	Remove Traffic Diversion(s)	Lump Sum	LS
009E3320	Checker	Lump Sum	LS
110E0730	Remove Beam Guardrail	544.1	F
110E0800	Remove W Beam Guardrail End Terminal	7	Ea
110E5500	Salvage Pipe	366	F
110E5510	Salvage Pipe End Section	2	Ea
110E7000	Remove Crossover Closure for Reset	224	Ft
120E0500	Option Borrow Excavation	429	Cu
120E6100	Water for Embankment	82.5	MC
120E6200	Water for Granular Material	2,465.0	MC
120E9000	Pit Run Material	11,863.5	To
210E3510	Heavy Roadway Shaping	17,918.0	Sq
260E1010	Base Course	87,319.4	To
260E1050	Base Course, Salvaged Asphalt Mix	41.9	To
260E2030	Gravel Cushion, Salvaged	72,936.6	To
260E2060	Gravel Cushion, Modified	32,988.1	To
320E0008	PG 64-34 Asphalt Binder	887.2	To
320E1090	Modified Class S Asphalt Concrete	14,797.2	To
320E3000	Compaction Sample	6	Ea
320E3100	Stabilizing Additive for Asphalt Concrete	43.9	To
320E5010	Saw and Seal Shoulder Joint	140,457	FI
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	37.2	Mi
330E0010	MC-70 Asphalt for Prime	171.2	To
330E0100	SS-1h or CSS-1h Asphalt for Tack	133.9	To
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	29.9	To
330E2000	Sand for Flush Seal	53.5	To
332E0010	Cold Milling Asphalt Concrete	1,281	Sq
380E0050	8" Nonreinforced PCC Pavement	221,701.2	Sq
380E6000	Dowel Bar	108,040	Ea
380E6110	Insert Steel Bar in PCC Pavement	26	Ea
450E4769	24" CMP 16 Gauge, Furnish	366	Ft
450E4770	24" CMP, Install	366	Ft
450E5100	CMP Tee, Furnish	1	Ea
450E5101	CMP Tee, Install	1	Ea
450E5410	24" CMP Safety End, Furnish	2	Ea
450E5411	24" CMP Safety End, Install	2	Ea
450E8013	24" CMP to RCP Transition, Furnish	1	Ea
450E8015	24" Pipe Transition, Install	1	Ea
629E0100	3 Cable Guardrail	494	Ft
629E0300	3 Cable Guardrail Slip Base Anchor Assembly	2	Ea
629E0400	3 Cable Guardrail Anchor Assembly	2	Ea
629E9050	Reset Crossover Closure	224	Ft
630E0110	Straight Double Class A Thrie Beam Guardrail with Wood Posts	37.5	Ft
630E1010	Straight Class A W Beam Guardrail with Wood Posts	250.0	Ft
630E2000	W Beam to Thrie Beam Guardrail Transition	3	Ea
630E2015	W Beam Guardrail Flared End Terminal	1	Ea
630E2030	W Beam Guardrail Breakaway Cable Terminal	2	Ea
680E0100	Cutoff Drain	1	Ea
831E0210	Non-woven Geotextile Separator	4,122	Sq

Surfacing – Section F (Asphalt Concrete Alternate A)

ouaog	, coolion i (Mophan co	10.00.	ato
Bid Item Number	Item	Quantity	Unit
320E0007	PG 64-28 Asphalt Binder	2,193.7	Ton
320E1050	Class E Asphalt Concrete	37,784.9	Ton

Permanent Signing – Section S

Remove, Salvage, Relocate, and Reset Traffic

	g – Section F (Asphalt Concret		The second second	Number		
Bid Item Number	Item	Quantity	Unit	110E5020 632E1320	Salvage Traffic Sign 2.0"x2.0" Perforated Tube Post	
320E0007	PG 64-28 Asphalt Binder	1,938.3	Ton	632E1340	2.5"x2.5" Perforated Tube Post	
320E1050	Class E Asphalt Concrete	38,804.9	Ton	632E2000	4"x4" Amber Delineator with 1.12 Lb/Ft Post	
				632E2008	4" Tubular Amber Delineator with 1.12 Lb/Ft Post	
				632E2020	4"x4" White Delineator with 1.12 Lb/Ft Post	
				632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	
				632E2220	Guardrail Delineator	
				632E2510	Type 2 Object Marker Back to Back	
				632E2520	Type 2 Object Marker	
	Pavement Marking – Section	n M		632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	
Bid Item	Item	Quantity	Unit	632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	
Did itelli	non!	additity	Oint			

632E3520

Sign

Bid Item Number	Item	Quantity	Unit
110E1400	Remove Pavement Marking, 4" or Equivalent	119,100	Ft
110E1440	Remove Pavement Marking, Railroad Crossing	1	Each
633E0040	Cold Applied Plastic Pavement Marking, Arrow	16	Each
633E0055	Cold Applied Plastic Pavement Marking, Railroad Crossing	4	Each
633E1300	Pavement Marking Paint, White	562.0	Gal
633E1305	Pavement Marking Paint, Yellow	442.0	Gal
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	16	Each
633E5040	Grooving for Cold Applied Plastic Pavement Marking, Railroad Crossing	4	Each